| Inde | ex c | of ( | Clai | ms |
|------|------|------|------|----|
|      |      |      |      |    |

Application No.

09/903,414

Applicant(s) WHEATLEY ET AL.

Examiner

Art Unit

Nasser Ahmad

1772

| √ | Rejected |
|---|----------|
| _ | Allowed  |

(Through numeral) Cancelled

Restricted

Non-Elected N Interference

Appeal Α o Objected

| Cla          | im                               |  |          |          |  | Date         | <del>.</del> |              |  |              |
|--------------|----------------------------------|--|----------|----------|--|--------------|--------------|--------------|--|--------------|
|              |                                  |  | T        |          |  |              |              |              |  |              |
| Final        |                                  | 4/10/04  |          |          |  |              |              |              |  |              |
|              | 1<br>2<br>3                      | ٧  |          |          |  |              |              |              |  |              |
|              | 2                                | _  |          |          |  |              |              |              |  |              |
|              | 3                                | ٧  |          |          | _  |              |              |              |  |              |
|              | 4                                | ٧  | _        |          |  |              |              | _            |  |              |
|              | 4<br>5<br>6                      | ٧  |          |          |  | _            |              | _            |  |              |
|              | 6                                | L  |          |          |  |              |              |              |  |              |
|              | 7<br>8                           | ٧  | $\dashv$ |          |  |              |              |              |  |              |
|              | 8                                |  |          |          |  |              |              |              |  |              |
|              | 9                                | ٧  |          |          | _  |              |              |              |  |              |
|              | 10                               | ٧  |          |          | _  | -            |              |              |  |              |
|              | 12                               | , ,  |          |          |  |              |              |              | _  |              |
| <u> </u>     | 12                               | V  |          |          | -  |              |              |              | _  | -            |
| <u> </u>     | 14                               | v  | -        |          | $\vdash$   |              |              |              | -  |              |
| <del> </del> | 11<br>12<br>13<br>14<br>15<br>16 | ľ  |          |          |  |              |              |              |  |              |
|              | 16                               |  |          |          |  |              |              |              |  |              |
|              | 17                               |  |          |          |  |              | -            |              |  |              |
|              | 18                               |  |          |          |  |              |              |              |  |              |
|              | 18<br>19                         |  | _        |          |  |              |              |              |  |              |
|              | 20<br>21                         |  |          |          |  |              |              |              |  |              |
|              | 21                               |  |          |          |  |              |              |              |  |              |
|              | 22                               |  |          |          |  |              |              |              |  |              |
|              | 23                               |  |          |          |  |              |              |              |  |              |
|              | 24                               | V  |          | <u> </u> |  |              |              | _            |  |              |
|              | 25                               |  |          | ļ        |  |              | <u> </u>     |              |  | _            |
|              | 26<br>27                         | V  |          | _        |  | <u> </u>     |              | <u> </u>     |  | <u> </u>     |
|              | 27                               | ٧  |          |          |  | -            | _            |              |  | _            |
|              | 28                               | ٧  | _        | ļ        |  |              |              |              | ļ  |              |
|              | 29<br>30                         | V  |          | -        |  |              | _            | _            |  |              |
|              | 30                               | <del> </del>                                     |          | -        | ┝  | $\vdash$     |              | _            |  |              |
| -            | 31<br>32                         | V  |          |          | $\vdash$   |              | -            | <del> </del> |  | <del> </del> |
|              | 33                               | V  | $\vdash$ | $\vdash$ | <del> </del>                                     | -            | -            | $\vdash$     | -  | $\vdash$     |
|              | 34                               | V  | -        | $\vdash$ | <del> </del>                                     |              | -            |              | $\vdash$   |              |
|              | 35                               | v  | $\vdash$ |          | $\vdash$   |              |              |              | <del>                                     </del> | $\vdash$     |
|              | 36                               | Ť  | $I^-$    | <u> </u> | <del>                                     </del> | <u> </u>     |              | <u> </u>     | <del>                                     </del> |              |
|              | 37                               | $t^-$  |          | Г        | Г  | -            | T            |              | _  | i –          |
|              | 38                               | 1  |          | Γ        |  |              | $\Box$       |              |  |              |
|              | 39                               |  |          |          |  |              |              |              |  |              |
|              | 40                               |  |          |          |  |              |              |              |  |              |
|              | 41                               | <u> </u>   |          | L        | <u> </u>   |              | L            |              | L  |              |
|              | 42                               | $oxed{oxed}$                                     |          | <u> </u> |  |              | _            | _            | _  |              |
|              | 43                               | <u> </u>   | <u> </u> | _        | <u> </u>   | <u> </u>     | <u> </u>     |              | _  |              |
| <u> </u>     | 44                               | _  |          | <u> </u> |  |              |              |              |  |              |
| <u> </u>     | 45                               | ļ  | <u> </u> | <u> </u> | ļ  | ⊢            |              | <b>├</b>     | _  | _            |
|              | 46                               | ļ  | -        |          |  | <del> </del> | <u> </u>     | <u> </u>     | _  | $\vdash$     |
| <u> </u>     | 47                               | <u> </u>   | 1        | ├-       | <u> </u>   |              |              | -            | _  | $\vdash$     |
|              | 48                               | ├  | -        | $\vdash$ | -  | ├            | $\vdash$     | $\vdash$     | $\vdash$   | $\vdash$     |
|              | 49<br>50                         | <del>                                     </del> | $\vdash$ | -        | -  | $\vdash$     |              | -            | $\vdash$   | $\vdash$     |
|              | - DU                             | 1  | 1        |          |  | 1            |              |              |  |              |

| <u> </u> | im       |          |          |          | _        | \        |          |          |          | 1        | ſ | Cla   | im       |          |           |          |  | ate                |              |        | _        | $\neg$          |
|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|----------|---|-------|----------|----------|-----------|----------|--|--------------------|--------------|--------|----------|-----------------|
| Ja       | ım       |          |          |          | L        | Date     | ;        | _        |          | $\dashv$ | ŀ |       | 11111    | Т        | ī         |          | ጎ  | Jak                | <del>,</del> | $\neg$ |          | $\dashv$        |
| 5        | Original | 4/10/04  |          |          |          |          |          |          |          |          |   | Final | Original |          |           |          |  |                    |              |        |          |                 |
|          | 1        | <b>v</b> |          |          |          |          |          |          |          |          |   |       | 51       |          |           |          |  |                    |              |        |          |                 |
|          |          |          |          |          |          |          |          |          |          |          | Ī |       | 52       | 1        |           |          |  |                    |              |        |          |                 |
|          | 3        | · v      |          |          |          |          |          |          |          |          |   |       | 53       |          |           |          |  |                    |              |        |          |                 |
| 1        | 4        | v        |          |          |          |          |          |          |          |          |   |       | 54       | $\neg$   |           |          |  |                    |              |        |          |                 |
| T        | 5        | v        | _        |          |          |          |          |          |          |          | İ |       | 55       |          | $\neg$    |          |  |                    |              |        |          |                 |
| 7        | 6        | Ť        |          |          |          | _        |          |          |          |          |   |       | 56       |          |           |          |  |                    |              |        |          |                 |
| 1        | 7        | ٧        |          |          |          |          |          |          |          | _        | İ | -     | 57       |          | ヿ         |          |  |                    |              |        |          |                 |
| _        | 8        | <u> </u> |          |          |          | _        |          |          |          |          | 1 |       | 58       | $\dashv$ | $\neg$    |          |  |                    |              |        |          |                 |
| +        | 9        | ٧        |          |          |          | $\vdash$ |          |          |          |          |   |       | 59       | $\neg$   | $\exists$ |          |  |                    |              |        |          | $\neg$          |
| $\dashv$ | 10       | v        | _        |          | -        | -        |          |          | -        |          |   |       | 60       | $\dashv$ |           | _        |  |                    |              |        |          | -               |
| +        | 11       | ۲        |          |          | _        |          |          |          |          |          |   |       | 61       |          | $\dashv$  | _        |  |                    |              |        | _        | 一               |
| $\dashv$ | 12       | v        | -        |          |          |          |          | _        | _        |          | ŀ |       | 62       | $\dashv$ | -         | 一        |  |                    |              |        | _        | $\dashv$        |
| $\dashv$ | 13       | v        |          |          | _        | <u> </u> |          |          | _        |          | ŀ |       | 63       | $\dashv$ |           | $\dashv$ |  |                    |              |        | _        | Н               |
| $\dashv$ | 14       | -        | -        |          | _        | H        |          |          | _        |          |   |       | 64       | -        |           | $\dashv$ |  |                    |              |        |          | Н               |
| $\dashv$ | 15       | ٧        |          |          | _        |          |          |          | -        |          | 1 |       | 65       | -        |           | $\dashv$ |  |                    | $\vdash$     | -      | _        | Н               |
| $\dashv$ |          | <u> </u> |          |          | -        | -        |          | _        | -        |          |   |       | 66       |          | -         | -        |  | _                  |              |        | _        | $\vdash$        |
| $\dashv$ | 16<br>17 |          |          |          | ļ. —     |          |          |          |          |          |   |       | 67       | -        | -         | -        |  | _                  |              |        |          | $\vdash \vdash$ |
| $\dashv$ |          |          | _        | _        |          | -        |          | -        | -        |          |   |       | 68       | $\dashv$ | $\dashv$  | -        | _  | -                  |              |        | -        | Н               |
| 4        | 18       |          | _        |          |          |          | -        |          |          |          |   |       |          | $\dashv$ |           | -        |  |                    |              | -      | _        | $\vdash$        |
|          | 19       |          | _        |          |          | ļ        |          |          |          | _        |   |       | 69       | -        | -         |          |  |                    |              |        |          | $\vdash$        |
|          | 20       |          |          |          | _        |          |          | _        | <u> </u> |          |   |       | 70       | $\vdash$ | $\dashv$  | _        |  | _                  | <u> </u>     |        |          | $\vdash$        |
| _        | 21       |          |          |          |          |          | L        |          |          |          |   |       | 71       |          | $\dashv$  |          |  | _                  | _            |        |          |                 |
|          | 22       |          |          | _        |          | L        |          |          |          |          |   |       | 72       | -        | -         | _        |  | _                  |              |        |          |                 |
| _        | 23       |          |          | <u> </u> | <u> </u> | <u> </u> | _        |          |          | _        |   |       | 73       | $\dashv$ |           |          | _  | -                  | _            |        | _        | $\vdash\vdash$  |
|          | 24       | ٧        |          | <u> </u> | <u> </u> |          |          | _        |          | <u> </u> |   |       | 74       | $\dashv$ |           | _        |  | _                  |              |        |          | $\vdash$        |
| _        | 25       | _        |          | ļ        | <u> </u> | _        | <u> </u> |          | ļ        | _        |   |       | 75       |          | _         |          |  |                    |              |        |          | Н               |
|          | 26       | V        |          | <u> </u> | _        | <u> </u> |          | <u> </u> | <u> </u> | _        |   |       | 76       |          | -         |          | :  | <u> </u>           |              |        |          | Н               |
|          | 27       | ٧        |          | <u> </u> |          | _        |          |          | L        | _        |   |       | 77       |          | _         |          |  | <u> </u>           |              |        |          | $\vdash$        |
| _        | 28       | ٧        |          | L        |          |          |          |          |          |          |   |       | 78       |          |           |          |  |                    |              |        |          |                 |
| _        | 29       | ٧        |          | _        |          |          |          |          |          |          |   |       | 79       |          |           |          |  | L                  |              |        |          | Ы               |
|          | 30       |          | <u>L</u> |          |          |          |          |          |          |          |   |       | 80       |          |           |          |  |                    |              |        |          |                 |
|          | 31       | V        | ļ        |          |          |          |          |          |          |          |   |       | 81       |          |           |          |  |                    | <u></u>      |        |          | Щ               |
|          | 32       | ٧        |          | L.       |          |          |          |          |          |          |   |       | 82       |          |           |          |  | _                  |              |        |          | $\vdash$        |
| _        | 33       | ٧        |          |          | L        |          |          |          |          |          |   |       | 83       |          |           |          |  | ļ                  |              | L      |          | Ш               |
|          | 34       | V        |          |          |          |          |          |          | L        | _        | ļ |       | 84       |          |           |          |  |                    | ļ            | _      | L        | Ш               |
|          | 35       | v        |          |          | _        |          |          |          | <u> </u> |          |   |       | 85       |          |           |          |  |                    | L            |        |          |                 |
|          | 36       |          |          |          | L        | L.       |          |          |          |          |   |       | 86       |          |           |          |  |                    |              | L_     |          |                 |
|          | 37       | <u> </u> |          |          |          |          | <u> </u> |          |          |          |   |       | 87       |          |           |          |  |                    | L            | L      |          | Ш               |
|          | 38       |          |          |          |          |          |          |          |          | <u> </u> | Į |       | 88       |          |           |          | _  | <u> </u>           | <u> </u>     | _      |          |                 |
|          | 39       |          |          | Ŀ        |          |          |          |          |          |          |   |       | 89       |          |           |          |  | <u> </u>           | <u> </u>     |        |          | Ш               |
|          | 40       |          |          | L        |          |          |          |          |          |          |   |       | 90       |          |           |          |  |                    |              |        | _        |                 |
|          | 41       |          |          |          |          |          |          |          |          |          |   |       | 91       |          |           |          | $ldsymbol{ld}}}}}}$ | _                  |              |        |          |                 |
|          | 42       |          |          | L        |          |          |          |          |          |          |   |       | 92       |          |           |          | <u> </u>   | _                  | L.           |        | _        | $\Box$          |
|          | 43       | L        |          |          | L        |          |          |          |          |          |   |       | 93       | Ш        |           |          | <u></u>  |                    | <u></u>      |        | <u>_</u> |                 |
|          | 44       |          |          | <u> </u> |          |          |          |          |          |          |   |       | 94       |          |           |          |  |                    |              |        | <u> </u> |                 |
|          | 45       |          | L        | 匚        | L        | L        |          | L        | L        |          |   |       | 95       |          |           |          |  | L                  |              |        | <u> </u> |                 |
|          | 46       |          |          |          |          |          | L        |          |          |          |   |       | 96       |          |           |          |  | ļ                  |              |        |          | Ш               |
|          | 47       | L        | L        |          | L        | L        | Ĺ        | L        | L        |          | ] |       | 97       |          |           |          |  | $\Box$             |              |        |          |                 |
|          | 48       | L        | L        | L        | L        | L        | Ĺ        |          | L        |          |   |       | 98       |          |           |          | L  | $\Box$             |              | L.     | L        |                 |
|          | 49       |          | L        | L        | L        | L        | L        |          |          |          |   |       | 99       |          |           |          | <u> </u>   | $oxedsymbol{oxed}$ | L            |        |          |                 |
|          | 50       |          |          |          |          | $L^{-}$  | 匚        |          |          |          | J |       | 100      |          |           |          |  | L                  | L            |        | L        |                 |
|          |          |          |          |          |          |          |          |          |          |          |   |       |          |          |           |          |  |                    |              |        |          |                 |

| Cl       | aim                      | Date     |          |          |  |          |          |          |          | $\neg$   |
|----------|--------------------------|----------|----------|----------|--|----------|----------|----------|----------|----------|
|          |                          | Т        | $\neg$   |          |  |          | _        |          |          | -        |
| Final    | Original                 |          |          |          |  |          |          |          |          |          |
|          | 101                      |          |          |          |  |          |          |          |          |          |
|          | 102                      |          |          |          |  |          |          |          |          |          |
|          | 103                      |          |          |          |  |          |          |          |          |          |
|          | 104                      |          |          |          |  |          |          |          | i        |          |
|          | 105                      | _        |          |          |  |          |          |          |          |          |
|          | 106                      |          |          |          |  |          |          |          |          |          |
|          | 107<br>108               |          |          |          |  |          |          |          |          | -        |
|          | 108                      |          |          |          |  | _        |          |          |          | -        |
|          | 110                      |          |          |          |  |          |          |          |          | -        |
|          | 111                      | $\vdash$ |          |          |  |          |          | _        |          | -        |
|          | 112                      |          |          |          |  |          |          |          |          |          |
|          | 113                      |          |          |          |  |          |          |          |          |          |
|          | 111<br>112<br>113<br>114 |          |          |          |  |          |          |          |          | $\Box$   |
|          | 115                      |          |          |          |  |          |          |          |          |          |
|          | 116                      |          |          |          |  |          |          |          |          |          |
|          | 117                      |          |          |          |  |          |          |          |          |          |
|          | 118<br>119               |          |          |          |  |          |          |          |          |          |
|          | 119                      |          |          |          |  |          |          |          |          |          |
|          | 120                      |          |          |          |  | _        |          |          |          |          |
|          | 121<br>122               |          |          |          |  | <u>_</u> |          |          |          |          |
|          | 122                      |          |          |          |  | <u> </u> |          |          |          |          |
|          | 123<br>124               |          | ļ        |          |  |          | ļ        |          |          | _        |
|          | 124                      |          |          |          |  | -        | <u> </u> |          |          | _        |
|          | 125                      |          |          |          | -  |          | -        |          |          | _        |
|          | 126<br>127               |          | -        |          | -  | -        |          |          |          |          |
|          | 128                      |          |          |          | -  |          |          |          | _        | -        |
| -        | 129                      |          |          | $\vdash$ |  | -        | $\vdash$ |          |          |          |
|          | 130                      |          |          |          |  | <u> </u> | ┢        |          |          |          |
|          | 131                      |          |          |          |  |          |          |          |          |          |
|          | 132                      |          |          |          |  |          |          |          |          |          |
|          | 133                      |          |          |          |  |          |          |          |          |          |
|          | 134                      |          |          |          |  |          |          |          | <u> </u> |          |
|          | 135                      |          |          |          | <u> </u>   |          |          |          |          |          |
|          | 136                      |          |          |          |  | _        |          |          |          |          |
|          | 137                      |          | _        |          |  |          |          | <u> </u> |          |          |
|          | 138                      |          | ļ        |          | _  |          | _        |          |          | _        |
|          | 139                      |          | ├-       |          |  |          |          | ⊢        | -        | _        |
|          | 140                      |          | $\vdash$ |          | _  | -        |          | -        |          |          |
|          | 141                      | -        | $\vdash$ | -        | -  |          |          |          |          |          |
| _        | 143                      |          |          | -        | -  | $\vdash$ | ├        | -        | $\vdash$ | H        |
| <u> </u> | 144                      | -        | $\vdash$ | -        | $\vdash$   |          |          | $\vdash$ |          |          |
|          | 145                      |          | -        |          | $\vdash$   | -        |          | -        | -        | $\vdash$ |
| <u> </u> | 146                      | -        | $\vdash$ | $\vdash$ | <del>                                     </del> |          | $\vdash$ | $\vdash$ |          |          |
| <u> </u> | 147                      |          | $\vdash$ | T        | t  |          |          | 1        |          | T        |
|          | 148                      | $f^-$    |          | <u> </u> | T  | $\vdash$ | T        |          |          | Г        |
|          | 149                      |          |          |          |  |          |          |          |          |          |
|          | 150                      |          |          | Ĺ        |  |          |          |          |          | L        |
|          | <del></del>              | •        | •        |          |  |          |          |          |          |          |